Index of Claims

| Applicati | on/Control | No. |
|-----------|------------|-----|
|-----------|------------|-----|

10/743,077

HOWARD ET AL.

Applicant(s)/Patent under Reexamination

Examiner

Art Unit

1745

Dah-Wei D. Yuan

Rejected Allowed

| - | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| Ļ | Restricted                     |

| Z | Non-Elected  |
|---|--------------|
| 1 | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

| Cla          | aim      |          |           |          |          | Date         | е  |          | -                    |          |   | Cla  | im       |                 |           |         | D         | ate      |         |         |  | ]   | Cli          | aim        | _        |          |          |  | ate      |               |          |          |          |
|--------------|----------|----------|-----------|----------|----------|--------------|--|----------|----------------------|----------|---|--|----------|-----------------|-----------|---------|-----------|----------|---------|---------|--|-----|--------------|------------|----------|----------|----------|--|----------|---------------|----------|----------|----------|
|              | -        |          |           |          |          |              |  |          |                      |          |   |  | E        |                 | П         | Т       | T         |          | Т       |         |  | 1   |              |            |          |          |          | П  | П        |               | $\top$   |          | ٦        |
| Finat        | Original | 4/6/07   |           |          |          |              |  |          |                      |          |   | Final  | Original |                 |           | - [     | ļ         |          | 1       | l       |  |     | Final        | Original   |          |          |          |  |          |               |          |          | - 1      |
| iĒ           | Ę        | 4/6      |           |          |          |              |  |          |                      |          |   | l iĒ   | ٦        |                 |           |         |           |          | 1       |         |  |     | iĒ           | ij         |          |          |          |  |          | - 1           |          | ĺ        |          |
|              |          |          |           |          |          |              |  |          | Ш                    |          |   |  |          | Ш               |           |         | $\perp$   | $\perp$  |         | $\perp$ |  |     |              |            |          |          |          |  | _        |               | $\bot$   | $\bot$   | ┙        |
|              | 1        | =        |           |          |          |              |  | _        | Щ                    |          |   | <u></u>  | 51       | Ш               | _         | 4       | 4         | ┵        | $\perp$ | _       | Ļ  |     |              | 101        |          |          |          | $\perp$  | _]       | $\dashv$      | $\dashv$ | $\perp$  | ┙        |
|              | 2        | L        |           |          |          |              |  | L.       |                      |          |   |  | 52       | Ш               |           | _       | 4         | $\bot$   | 4       | _       |  |     |              | 102        |          | _        |          | $\dashv$   | _        | $\dashv$      | _        | $\bot$   | _        |
|              | В        |          |           |          |          |              |  | _        | Ш                    |          |   |  | 53       | Ш               | -         |         | 4         |          | 4       |         | <u> </u>   |     |              | 103        |          | _        | _        | $\dashv$   | _        | $\dashv$      | _        | 4        | ┙        |
| L            | 4        | =        |           |          |          | _            | _  |          | Ш                    |          |   | <u> </u>   | 54       | $\square$       | 4         | _       | 4         | - -      | 4       | ╀       | Ш  |     |              | 104        |          | _        | _        | _  | _        | _             | _        | _        | 4        |
|              | 5<br>6   |          |           | _        |          |              |  | <u> </u> |                      |          |   |  | 55       | $\square$       | -         | _       | 4         | 4        | $\bot$  | _       |  | ļ   |              | 105        | $\Box$   | 4        | _        | _  | $\dashv$ | $\dashv$      | $\dashv$ | $\bot$   | 4        |
|              | <u> </u> |          |           |          |          |              | -  |          | Н                    | _        |   |  | 56       | Н               | 4         | -       | 4         | 4        | $\bot$  | 1       | _  | ļ   |              | 106        |          | $\dashv$ |          | $\dashv$   | $\dashv$ | $\dashv$      | $\dashv$ | +        | 4        |
|              | <u> </u> | Н        | -         |          |          |              | _  |          | $\vdash$             | _        |   | <u> </u>   | 57       | Н               | $\dashv$  | +       | +         | +        | +       | +       |  | l   | <u> </u>     | 107        |          | -        |          |  | $\dashv$ | $\dashv$      |          | -        | $\dashv$ |
| -            | 8        | H        | -         |          |          |              |  | _        | $\vdash$             |          |   |  | 58       |                 | +         | +       | +         |          | ┿       | +-      | -  | ł   | <b> </b>     | 108        |          | $\dashv$ | -        | $\dashv$   | $\dashv$ | $\dashv$      | $\dashv$ | $\dashv$ | 4        |
| <u> </u>     | 9        | =        | -         | _        |          | _            |  | -        |                      |          |   |  | 59<br>60 | $\vdash$        | +         | +       | +         | +        | +       | +       | -  | ł   |              | 109        |          |          |          | $\dashv$   | $\dashv$ | $\dashv$      | +        | +        | 4        |
|              |          | =        |           | -        | _        | <u> </u>     | -  | -        | $\vdash$             | -        |   | <u> </u>   |          | $\vdash$        | $\dashv$  | +       | +         |          | +       | +-      | ⊢  | ł   |              | 110        |          | ┵        |          | $\dashv$   | -        | -+            | $\dashv$ | $\dashv$ | ᅱ        |
|              | 11<br>12 | $\vdash$ | -         |          | -        |              | <u> </u>   | $\vdash$ | $\vdash$             |          |   | <u> </u>   | 61<br>62 | $\vdash$        | $\dashv$  | +       | +         | +        | +       | +       | $\vdash$   |     | —            | 111<br>112 |          | -        | -        | $\dashv$   | -+       | -+            | $\dashv$ | +        | $\dashv$ |
|              | 13       | -        |           |          | -        | $\vdash$     | -  | -        | $\vdash \vdash$      | -        |   | <b>-</b>   | 63       | $\vdash \vdash$ | $\dashv$  | +       | +         |          | +       | ╁       | ⊢  | ٠:  | <u> </u>     | 113        | $\vdash$ | $\dashv$ | $\dashv$ | $\dashv$   | $\dashv$ | $\dashv$      | +        | +        | $\dashv$ |
| <u> </u>     | 14       | $\vdash$ |           | -        | $\vdash$ | $\vdash$     | $\vdash$   | $\vdash$ | $\vdash \vdash$      | -        |   | $\vdash$   | 64       | $\vdash$        | $\dashv$  | +       | +         | +        | +       | +       | 1  |     |              | 114        |          | $\dashv$ | $\dashv$ | $\dashv$   | -        | -             | +        | +        | $\dashv$ |
| -            | 15       | H        | $\dashv$  | _        |          |              | H  | $\vdash$ | Н                    | -        |   |  | 65       | Н               | $\dashv$  | +       | +         | +        | +       | +       | -  | •   |              | 115        |          | -+       |          | $\dashv$   | $\dashv$ | $\dashv$      | +        | +        | $\dashv$ |
|              | 16       | Н        | $\dashv$  | -        | $\dashv$ | <del> </del> | <del>                                     </del> | -        | $\vdash \vdash$      | $\dashv$ |   |  | 66       | $\vdash \vdash$ | $\dashv$  | +       | ╅         | ┿        | +       | +       | $\vdash$   | ,   |              | 116        | -        | $\dashv$ | $\dashv$ | $\dashv$   | $\dashv$ | +             | +        | +        | $\dashv$ |
| _            | 17       | Н        | $\dashv$  | -        | $\vdash$ | $\vdash$     |  | $\vdash$ | $\vdash$             | $\dashv$ |   | <del></del>                                      | 67       | $\vdash$        | +         | +       | +         | +        | +       | +       | $\vdash$   |     |              | 117        | -        | $\dashv$ | $\dashv$ | $\dashv$   | $\dashv$ | +             | +        | +        | $\dashv$ |
|              | 18       | Н        |           | -        | $\vdash$ |              |  | $\vdash$ | $\vdash$             |          |   |  | 68       | $\vdash$        | +         | +       | +         | ┪        | +       | +       | H  | 1   |              | 118        | $\vdash$ | $\dashv$ |          | $\dashv$   | $\dashv$ | +             | +        | +        | $\dashv$ |
|              | 19       | H        | $\vdash$  | -        | H        | -            | -  | -        | $\vdash$             | -        |   | <del>                                     </del> | 69       | $\vdash$        | $\dashv$  | +       | +         | +        | +       | +       | $\vdash$   | :-  |              | 119        | $\vdash$ | $\dashv$ | $\dashv$ | $\dashv$   | $\dashv$ | +             | +        | 十        | $\dashv$ |
| <u> </u>     | 20       | Н        | $\dashv$  | _        | -        | _            | Н  |          | $\vdash$             | _        |   |  | 70       | Н               | $\dashv$  |         | +         | $\dashv$ | +       | +       | H  |     |              | 120        | -        | $\dashv$ | $\dashv$ | $\dashv$   | 十        | 十             | $\dashv$ | +        | $\dashv$ |
|              | 21       |          |           | _        | -        | _            |  |          | Н                    | _        |   |  | 71       |                 | 十         | ╅       | $^{+}$    | ╅        | ╅       | +       | $\vdash$   | ١.  | _            | 121        |          | $\dashv$ | -1       | $\neg \uparrow$                                  | 十        | 十             | $\dashv$ | $\dashv$ | ㅓ        |
|              | 22       |          |           |          |          |              |  | $\vdash$ | Н                    | _        |   |  | 72       | Н               | $\dashv$  | +       | $^{+}$    | +        | +       | +-      | <del>                                     </del> | n i |              | 122        | _        | -        | $\neg$   | 一  | 十        | $\dashv$      | 十        | 十        | ┥        |
|              | 23       | Н        | _         | $\neg$   |          | _            |  | _        | $\vdash$             | _        |   |  | 73       | $\vdash$        | $\dashv$  | +       | $^{+}$    | +        | +       | +-      | -  | 1   |              | 123        |          |          |          | $\dashv$   | $\dashv$ | $\dashv$      | +        | 十        | ┥        |
|              | 24       | Н        | $\neg$    | $\neg$   |          |              |  | $\vdash$ | H                    | _        |   |  | 74       | $\vdash$        | 寸         | +       | $\dagger$ | +        | +-      | +       |  | 1.  |              | 124        |          | $\dashv$ | 寸        | $\dashv$   | $\dashv$ | $\dashv$      | 十        | 十        | ᅥ        |
|              | 25       | Ħ        |           |          |          |              |  |          |                      |          |   |  | 75       |                 | 寸         | $\top$  | ┪         | 十        | $\top$  |         | Г  | i   |              | 125        |          | 寸        | $\neg$   | $\dashv$   | ヿ        | 十             | 寸        | 十        | ヿ        |
|              | 26       |          |           |          |          |              |  |          | П                    |          |   |  | 76       |                 | T         | T       | 7         | $\top$   | $\top$  | $\top$  | Ħ  | ١.  |              | 126        |          | 寸        | $\neg$   | $\neg$   | ヿ        | $\dashv$      | 寸        | 十        | ヿ        |
|              | 27       | П        |           |          |          |              |  |          | П                    |          |   |  | 77       |                 |           | $\top$  | T         | ✝        | 1       | 1       | Г  |     |              | 127        |          | ヿ        |          | $\neg$   | ヿ        | T             | 寸        | 十        | ╗        |
|              | 28       |          | T         |          |          |              |  |          | П                    |          |   |  | 78       |                 | $\exists$ | $\neg$  | ✝         | _        | 1       | 1       | Г  |     |              | 128        |          | ヿ        |          | $\sqcap$   | ヿ        | $\top$        | $\neg$   | 十        | ╗        |
|              | 29       |          |           |          |          |              |  |          | П                    |          |   |  | 79       |                 | T         | Т       | T         |          | $\top$  | 1       |  | V   |              | 129        |          | $\neg$   |          | П  | ヿ        | 寸             | T        | T        | ヿ        |
|              | 30       |          |           |          |          |              |  |          |                      |          |   |  | 80       |                 |           | $\Box$  | Т         |          | Т       |         |  |     |              | 130        |          |          |          |  | $\Box$   | $\Box$        | $\Box$   | $\top$   |          |
|              | 31       | i        |           |          |          |              |  |          |                      |          |   |  | 81       |                 |           | $\Box$  |           |          |         |         |  |     |              | 131        |          |          |          | $\Box$   | $\Box$   | $\Box$        |          |          |          |
|              | 32       |          |           |          |          |              |  |          |                      |          |   |  | 82       |                 |           |         |           |          |         |         |  | 4.5 |              | 132        |          |          |          |  |          |               |          |          |          |
|              | 33       | Ш        |           |          |          |              |  |          |                      |          |   |  | 83       | Ш               | $\perp$   | $\perp$ |           | $\perp$  | $\perp$ |         |  |     |              | 133        |          |          | _        |  | _        | $\perp$       | $\perp$  | $\perp$  |          |
|              | 34       | Ш        |           |          |          |              |  |          | Ш                    |          |   |  | 84       | Ш               | $\dashv$  | _       |           |          |         | Ļ       | Ш  |     |              | 134        |          | _        |          | Щ  | [        | ightharpoonup | $\perp$  | $\perp$  | Ц        |
|              | 35       | Ш        |           | _        |          | _            | _  | $\sqcup$ | Ш                    | _        |   |  | 85       |                 | 4         | _ _     | 4         | 4        |         | $\perp$ | <u> </u>   |     | ļ            | 135        |          | ļ        | _        | $\dashv$   | _        | 4             | _        | $\perp$  | _        |
| <u> </u>     | 36       | Ш        |           |          | Щ        |              | _  | <u> </u> | Щ                    |          |   |  | 86       | Ш               | _         |         | 4         | $\perp$  | $\perp$ | 1       |  |     | <u> </u>     | 136        |          | _        |          | Щ  | _        | <b>ᆜ</b>      | 4        | $\dashv$ | _        |
|              | 37       | Ш        | $\square$ | _        | $\Box$   |              | _  | _        | $\sqcup$             |          |   |  | 87       | Ш               | _         | 4       | 4         | $\perp$  | $\perp$ | _       | <u> </u>   |     | <u> </u>     | 137        |          | _        | _        | <del></del>                                      | $\dashv$ | 4             | 4        | 4        | _        |
| <u> </u>     | 38       | $\sqcup$ | $\square$ | _        |          | <u> </u>     |  |          |                      |          |   |  | 88       | $\sqcup$        | _         | _       | +         | _        | 4       | $\bot$  | <u> </u>   | ŀ   | <u> </u>     | 138        |          | _        | _        | $\dashv$   | 4        | $\dashv$      | 4        | $\dashv$ | $\dashv$ |
|              | 39       | Ш        | _         |          |          |              |  |          | $\sqcup$             |          |   |  | 89       | $\square$       | 4         |         | 4         | -        | +       | 4_      | <b> </b> _                                       |     | <u> </u>     | 139        |          | _        | _        | $\dashv$   | $\dashv$ | $\dashv$      | $\dashv$ | $\dashv$ | 긕        |
|              | 40       | $\sqcup$ |           |          | _        |              |  | $\sqcup$ | -                    | _        |   | $\vdash$   | 90       | $\sqcup$        | 4         | 4       | 4         | $\bot$   | +       | ╀       | ┞  |     |              | 140        |          | _        | _        | $\dashv$   | _        | $\dashv$      | 4        | 4        | 4        |
|              | 41       | Ш        | $\square$ |          |          | _            |  | _        | $\vdash$             | _        |   | ļ  | 91       | -               | -         | +       | +         | +        | $\perp$ | $\bot$  | <u> </u>   |     |              | 141        |          | _        | _        | <del>                                     </del> | $\dashv$ | _             | 4        | 4        | 4        |
|              | 42       | -        | _         | -        |          |              | L  |          | Н                    |          |   |  | 92       | -               | -         | -       | 4         | +        | 4-      | +-      | ├_   |     | <u> </u>     | 142        |          |          |          |  | $\dashv$ | -             | -        | +        | $\dashv$ |
| <u> </u>     | 43       | -        | -         | _        |          | H            | $\vdash$   | $\vdash$ | ${oldsymbol{arphi}}$ |          |   | -  | 93       | $\vdash$        | $\dashv$  | +       | +         | +        | +       | +       | <b> </b> -                                       |     | <u> </u>     | 143        |          | 4        | $\dashv$ |  | -        | $\dashv$      | $\dashv$ | +        |          |
|              | 44<br>45 | $\vdash$ |           | -        | $\vdash$ | -            | -  | -        | $\vdash \vdash$      | 4        | - |  | 94<br>95 | $\vdash \vdash$ | -         | +       | +         | +        | +       | +       | ⊢  |     | <u> </u>     | 144        |          | $\dashv$ | $\dashv$ | $\dashv$   | -        | -             | -        | +        | 4        |
|              | 45       | Н        | $\dashv$  | _        | $\vdash$ | -            |  | $\vdash$ | $\vdash \vdash$      | -        |   |  | 96       | $\vdash \vdash$ | +         | -       | 4         | -        | +       | +       | <u> </u>   | l   | <u> </u>     | 145        |          | -        | -        | $\dashv$   | $\dashv$ | $\dashv$      | +        | +        | $\dashv$ |
| <del> </del> | 47       | Н        |           |          | -        | -            | -  | -        | $\vdash \vdash$      |          |   |  | 96       | ⊢┤              | -+        | +       | +         | -        | +       | +       | ⊢  | ١.  | ļ            | 146        | $\vdash$ | $\dashv$ | $\dashv$ | $\dashv$   | -        | $\dashv$      | +        | +        | $\dashv$ |
| -            | 48       | Н        |           | $\dashv$ | -        |              | $\vdash$   | Н        | $\vdash$             | $\dashv$ |   |  | 98       | $\vdash \vdash$ | $\dashv$  | - -     | +         | +        | +       | +-      |  |     | <del> </del> | 147<br>148 | $\vdash$ | $\dashv$ |          | $\dashv$   | $\dashv$ | $\dashv$      | +        | +        | $\dashv$ |
| <del></del>  | 49       | Н        |           | $\dashv$ | -        |              | $\vdash$   | H        | $\vdash$             | $\dashv$ |   |  | 99       | $\vdash$        | $\dashv$  | +       | +         | -        | +       | +       | $\vdash$   | 1   | <u> </u>     |            |          | $\dashv$ | $\dashv$ | $\dashv$   | $\dashv$ | $\dashv$      | +        | +        | $\dashv$ |
|              | 50       | Н        | $\dashv$  | $\dashv$ |          |              | $\vdash$   | Н        | $\vdash$             | -        |   |  | 100      | $\vdash \vdash$ | $\dashv$  | +       | +         | +-       | +       | +       | ⊢  | ł   | <u> </u>     | 149        |          | $\dashv$ | $\dashv$ | $\dashv$   | $\dashv$ | $\dashv$      | +        | $\dashv$ | $\dashv$ |
| Щ.           | LOU      | Ш        |           |          |          |              |  |          | ш                    |          |   |  | 100      | لـــا           | L         |         | 丄         | $_{L}$   |         |         |  | j   | L            | 150        |          |          |          |  |          |               | ᆜ        | 丄        |          |